



Attorney's Docket No.: 13445-006001 / OG4 (6065)

0300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Max Shurgalin et al.

Art Unit : Unknown

Serial No. : 10/068,998

Examiner : Unknown

Filed : February 7, 2002

Title : OPTICAL WAVEGUIDE MONITORING

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing attorney docket number 13445-006001.

Respectfully submitted,

Date:

9/23/02

Marc M. Wefers\* for  
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\*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. §10.9(b).

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

September 23, 2002

Signature

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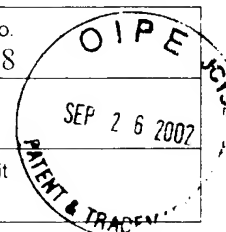
Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
13445-006001Application No.  
10/068,998**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Max Shurgalin et al.Filing Date  
February 7, 2002

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	3,982,816	09/1976	Watkins			
	AB	4,081,258	03/1978	Goell et al.			
	AC	4,236,904	12/1980	Lazay			
	AD	4,269,483	05/1981	Feldtkeller			
	AE	4,583,851	04/1986	Yataki			
	AF	4,678,327	07/1987	Yoshida et al.			
	AG	4,793,840	12/1988	Harding			
	AH	4,890,915	01/1990	Byvik et al.			
	AI	5,172,421	12/1992	Nakamura, et al.			
	AJ	5,185,636	02/1993	Button et al.			
	AK	5,449,393	09/1995	Tsuneishi, et al.			
	AL	5,534,994	07/1996	Hanson et al.			
	AM	5,786,891	07/1998	Jakobsen, et al.			
	AN						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AO							
	AP							
	AQ							
	AR							
	AS							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
/	AT	C. Martijn de Sterke et al., "Differential losses in Bragg fibers," J. Appl. Phys. 76 (2) pp. 680-688, July 15, 1994.
/	AU	T. A. Birks et al., "Full 2-D photonic bandgaps in silica/air structure," Electronics Letters, Vol. 31, No. 22, pp. 1941-1943, October 26, 1995.

Examiner Signature

Date Considered

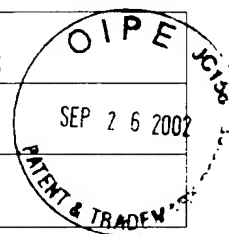
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Modified)U.S. Department of Commerce  
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Group Art Unit



(37 CFR §1.98(b))

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
✓	AV	T. Erdogan et al., "Circularly symmetric operation of a concentric-circle-grating, surface-emitting, AlGaAs/GaAs quantum-well semiconductor laser," Appl. Phys. Lett. 60 (16) pp. 1921-1923, April 20, 1992.
✓	AW	Y. Fink et al., "Guiding optical light in air using an all-dielectric structure," Journal of Lightwave Technology, Vol. 17, No. 11, pp. 2039-2041, November 1999.
✓	AX	Stig E. Barkou et al., "Silica-air photonic crystal fiber design that permits waveguiding by a true photonic bandgap effect," Optics Letters, Vol. 24, No. 1, pp. 46-48, January 1, 1999.
✓	AY	J. C. Knight et al., "Photonic band gap guidance in optical fibers," SCIENCE, Vol. 282, pp. 1476-1478, November 20, 1998.
✓	AZ	2001 OmniGuide Long-Haul Fiber, OmniGuide Communications Inc., Cambridge, MA
✓	AAA	2001 OmniGuide Passive Electromagnetic Mode Conversion in Multi-mode Waveguides and Optical Fibers, Cambridge, MA
✓	ABB	P. Yeh et al., "Theory of Bragg Fiber", J. Opt. Soc. Am., Vol. 68, pp. 1196, 1978.
✓	ACC	M. K. Barnoski et al., Applied Optics, Vol. 16, pp. 2375, 1977.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
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This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: January 7, 2003

Harry I. Moatz  
Director of Enrollment and Discipline